Express Mail Label No: EQ 311373284 US Attorney Docket No.: 101361-1P US

### PATENT COOPERATION TREATY

From	the RNATIONAL SEAF	RCHING AUTH	ORITY 11 TE N	70			
To:				<u>.</u>	PCT		
	see form l	PCT//SA7220	3 C. MAY 2005	EPS WRIT	TTEN OPINION OF THE DNAL SEARCHING AUTHORITY		
		<u> </u>	20	:	(PCT Rule 43bis.1)		
			V harmonia de la companya de la comp	Date of mailing (day/month/year)	see form PCT/ISA/210 (second sheet)		
Applicant's or agent's file reference see form PCT/ISA/220				FOR FURTHER ACTION See paragraph 2 below			
International application No. PCT/GB2005/000339			International filing date 01.02.2005	(day/month/year)	Priority date (day/month/year) 05.02.2004		
	International Patent Classification (IPC) or both national classification and IPC C07D495/04, A61K31/519, A61P35/00						
Applicant ASTRAZENECA AB							
		entre, a productività il mode di					
This opinion contains indications relating to the following items:							
Box No. I Basis of the opinion							
1	⊠ Box No. II	Priority  Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
i							
	Box No. IV Box No. V	Lack of unity of invention  Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	⊠ Box No. VI	Certain docum		na supporting score	in the state of th		
Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application  2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will usually be considered to be written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.							
					. However, this does not apply where ne chosen IPEA has notifed the		
:	submit to the IPI	e IPEA, the applicant is invited to nents, before the expiration of three on of 22 months from the priority date,					
	For further options, see Form PCT/ISA/220.						
3.	For further details, see notes to Form PCT/ISA/220.						

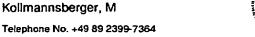
Name and mailing address of the ISA:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523655 epmu d Fax: +49 89 2399 - 4465

Authorized Officer

Kollmannsberger, M





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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/000339

_	Box I	lo. I Basis of the opinion				
1.	<ol> <li>With regard to the language, this opinion has been established on the basis of the international app the language in which it was filed, unless otherwise indicated under this item.</li> </ol>					
	li li	This opinion has been established on the basis of a translation from the original language into the following anguage , which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).				
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
	b. for	mat of material:				
		in written format				
		in computer readable form				
	c. tim	e of filing/furnishing:				
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
3.	1	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4.	Addit	ional comments:				
_	Box	No. II Priority				
1.	(	The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43bis.1 and 64.1) is the claimed priority date.				
2.		This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.				
3.	Addi	ional observations, if necessary:				

#### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/000339

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or Industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-9

No: Claims

Inventive step (IS)

Yes: Claims

No: Claims

Industrial applicability (IA)

Yes: Claims No: Claims

1-9

1-9

2. Citations and explanations

see separate sheet

#### Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10) and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

## JAP20 Rec'd PCT/PTO 04 AUG 2006

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2005/000339

#### Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

#### V-1. State of the art:

The following documents are considered relevant:

- D1: WO 2004/013141 A (ASTRAZENECA AB; ASTRAZENECA UK LIMITED; LUKE, RICHARD, WILLIAM, ARTHUR) 12 February 2004 (2004-02-12)
- D2: US 2004/014756 A1 (MICHAELIDES MICHAEL R [US] ET AL) 22 January 2004 (2004-01-22)
- D3: WO 03/022852 A (GLAXOSMITHKLINE K.K; SMITHKLINE BEECHAM CORPORATION; ADAMS, JERRY, LER) 20 March 2003 (2003-03-20)
- D4: WO 02/062804 A (PHARMACIA ITALIA S.P.A; BERTA, DANIELA; FELDER, EDUARD; VULPETTI, ANNA) 15 August 2002 (2002-08-15)

D1 is a P-document and will be disregarded during the PCT phase.

#### V-2. Novelty (Art. 33(2) PCT):

Claims 1-9 are novel over D2-D4. The compounds disclosed in D2 and D3 lack the imidazole ring. The compounds of D4 are condensed oxazoles rather than thiophenes and have a pyrazole instead of the imidazole ring.

#### V-3. Inventive step (Art. 33(3) PCT):

The present application deals with angiogenesis inhibitors which act in particular on the Tie2 receptor tyrosine kinase.

The problem to be solved in view of D2 (which is representing the closest state of the art) is the provision of further compounds having this activity. Having regard to the major

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2005/000339

structural differences (see above) this problem has been solved in a non-obvious way. Art. 33(3) PCT is thus also fulfilled.

## Re Item VI Certain documents cited

#### Certain published documents

Application No Patent No Publication date (day/month/year)

Filing date (day/month/year)

Priority date (valid claim) (day/month/year)

WO2004/013141

12.02.2004

01.08.2003

06.08.2002